

26 July 2017

Kit Components

Product Code	Description
RP8092H	RNA 5' Polyphosphatase

Components

RNA 5' Polyphosphatase	
10X Reaction Buffer	



RNA 5' Polyphosphatase.

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 07/25/2017 Version: X 0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier 1.1.

Product name Product form

Product code

: RNA 5' Polyphosphatase

: Mixture

: This component is found in RNA 5' Polyphosphatase (RP8092H)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

: Laboratory chemical.

Details of the supplier of the safety data sheet 1.3.

Lucigen Corporation 2905 Parmenter Street Middleton, WI 53562 U.S.A. Phone: (608) 831-9011 Fax: (608) 831-9012 E-mail: techserv@lucigen.com

Emergency telephone number 1.4.

Emergency number

: 1-888-575-9695 (Lucigen: Monday-Friday, 8:00AM-5:00PM)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified.

Label elements 2.2.

GHS-US labelling

No labelling applicable.

2.3. Other hazards

Irritant to eyes and skin. Target organs are kidneys.

Unknown acute toxicity (GHS-US) 2.4.

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixture

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Name	Product identifier	%
Glycerol, CAS # 56-85-1 EC# 200-289-5 Chemical Formula: C ₃ H ₈ O ₃ Molecular Weight: 92.09 g/mol Synonyms: Glycerin, 1,2,3-Propanetril	Ingredient in product.	50%

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general	: If exposed or concerned, consult a physician. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin for at least 15 minutes with tepid water. Consult a physician.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of tepid water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Consult a physician.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth thoroughly and consult a physician. Do not induce vomiting.
4.2. Most important symptoms and e	fects, both acute and delayed
Symptoms/injuries	: Not expected to present a significant acute hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: May cause upper respiratory irratation.
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Symptoms/injuries after skin contact: May cause skin irritation.Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.		
5.2. Special hazards arising from	5.2. Special hazards arising from the substance or mixture		
Fire hazard	: Emits toxic fumes under fire conditions.		
Explosion hazard	: Emits toxic fumes under fire conditions.		
Reactivity : No dangerous reactions known under normal conditions of use.			
5.3. Advice for firefighters			
Firefighting instructions	: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.		

SECTION 6: Accidental release measures			
6.1.	Personal precautions, protective equipment and emergency procedures		
General measures		: Ventilate area. Evacuate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).	
6.1.1.	For non-emergency personnel		
Protect	ive equipment	: Wear Personal Protective Equipment as described in Section 8.	
6.1.2.	For emergency responders		
		: Wear suitable protective clothing, gloves, respirator, and eye or face protection. For further information refer to section 8: "Exposure controls/personal protection".	
6.2.	Environmental precautions		
Preven	t entry to sewers and public waters. N	otify authorities if liquid enters sewers or public waters. Avoid release to the environment.	
6.3.	6.3. Methods and material for containment and cleaning up		
For cor	tainment	: Contain any spills with dikes or inert absorbents (e.g., sand or vermiculite) to prevent migration and entry into sewers or streams.	
Method	Methods for cleaning up : Soak up spills with inert absorbants, such as sand or vermiculite as soon as possible. Place in		

6.4. Reference to other sections

No additional information available

SECT	SECTION 7: Handling and storage		
7.1.	Precautions for safe handling		
Precautions for safe handling		: Do not handle until all safety precautions have been read and understood. Wear recommended personal protective equipment. Wash hands and other exposed areas with mild soap and water after handling material, leaving the laboratory, before eating, drinking or smoking and when leaving work.	
7.2.	Conditions for safe storage, ir	ncluding any incompatibilities	
Storage conditions :		: Store at -20°C in a freezer without a defrost cycle.	

safe way, and as per local, state, and federal legislation.

closed waste container for disposal. This material and its container must be disposed of in a

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Glycerol	56-81-5	TWA	10 mg/m3	USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000
		TWA	10 mg/3	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respir	atory Tract Irritation	•
		TWA	5 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	15 mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants

8.2. Exposure controls

Appropriate engineering controls

- : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas. Emergency safety shower and eye wash station should be available. Avoid prolonged or repeated exposure.
- Personal protective equipment
- : Gloves. Protective goggles. Laboratory Coat.



materials are: Neoprene, Nitrile.

Hand protection

Eye protection	
Skin and body protection	
Respiratory protection	

: Safety goggles should be worn when working with mixture. Avoid direct contact with eyes.

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suitable gloves for this specific application can be recommended by the glove supplier. Suggested glove

- : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
- : Use NIOSH/MSHA-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment. Do not breathe in vapour, mist, or dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid, viscous and colorless
Color	: Colorless
Odor	: No data available
Odor Threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point (50% aquesous solution)	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility in Water	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

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: No data available

Explosive limits

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. **Chemical stability**

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

None known. Hazardous polymerization does not occur.

10.4 Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizing agents, strong bases.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/irritation	:	No data available
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	IARC – No component of this product present at levels greater than or equal to 0.1% is dientified as probablye, possible, or confirmed human carcinogen by IARC.
		ACGIH – No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
		NTP – No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticpated carcinogen by NTP.
		OSHA – No component of this product present at levels greater than or equal to 0.1% is identified as a carcinoen or potential carcinogen by OSHA.
Reproductive toxicity	:	No data available
Specific target organ toxicity (single exposure)	:	No data available
Specific target organ toxicity (repeated exposure)	:	No data available
Aspiration hazard	:	No data available
Symptoms/injuries after inhalation	:	May cause upper respiratory irratation. May cause headaches.
Symptoms/injuries after skin contact	:	May cause skin irritation.
Symptoms/injuries after eye contact	:	Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	:	May cause gastrointestinal irritation.
Additional Information	:	RTECS: MA8050000. Prolonged exposure may cause nausea, vomitting, and headache. Kidneys may be affected.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. **Bioaccumulative potential**

No additional information available

Mobility in soil 12.4.

No additional information available

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Product should not be discharged to surface waters without a NPDES permit.	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local, state, and federal regulations. Avoid release to the environment.	
SECTION 14: Transport informati	on	
DOT		

Not hazardous for transport

IMDG

No additional information available

ΙΑΤΑ

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 304 Extremely Hazardous Substances Reportable Quantity

This product does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Chronic Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This materials does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2. International regulations

European Union Directive 67/548/EEC: Irritant R36/38, irritant to eyes and skin. S26, in the case of eye contact, rinse immediately with plenty of water and consult a physician. S36, wear appropriate personal protective equipment.

15.3. US State regulations

California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

Massachusetts Right To Know Components

Glycercol, CAS 56-81-5

New Jersey Right to Know Hazardous Substance List Glycerol, CAS 56-81-5

Pennsylvania Right to Know List Glycercol, CAS 56-81-5

SECTION 16: Other information

Indication of changes Revision date Other information : Revision X.0: Updated format.

: 07/25/2017 : Author:

07/25/2017

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NFPA health hazard	 1 – Exposure will cause irriation with only minor residual injury. 	
NFPA fire hazard	: 1 – Flash point is at or above 93.3°C.	$\Lambda 1 \Lambda$
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 1	
Flammability	: 1	
Physical Hazard	: 0	
Personal Protection	:	

This information is disclosed to the best of Lucigen's knowledge. This document does not constitute a contractual relationship with product end users or handlers with respect to the possible presence of hazards in this item. Disposal should be in accordance with applicable regional, national and local laws and regulations.



Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 07/25/2017 Version: X.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

: RNA 5' Polyphosphatase 10X Reaction Buffer

Product name Product form Product code

- : Mixture
- : RNA 5' Polyphosphatase 10X Reaction Buffer is a component in the RNA 5' Polyphosphatase Product (RP8092H).

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

: Laboratory chemical.

1.3. Details of the supplier of the safety data sheet

Lucigen Corporation 2905 Parmenter Street Middleton, WI 53562 U.S.A. Phone: (608) 831-9011 Fax: (608) 831-9012 E-mail: techserv@lucigen.com

1.4. Emergency telephone number

Emergency number

: 1-888-575-9695 (Lucigen: Monday-Friday, 8:00AM-5:00PM)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified.

2.2. Label elements

GHS-US labelling

No labelling applicable.

2.3. Other hazards

No data available.

2.4. Unknown acute toxicity (GHS-US)

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixture

Name	Product identifier	%
HEPES-KOH	Ingredient in product.	14.7%
Sodium Chloride, CAS # 7647-14-5 EC# 231-598-3 Chemical Formula: NaCl Molecular Weight: 58.44 g/mol	Ingredient in product.	5.8%
β-Mercaptoethanol, CAS # 60-24-2 EC# 200-464-6 Chemical Formula: C ₂ H ₆ OS Molecular Weight: 78.13 g/mol Synonyms: THioethylene glycol, 2-Hydroxyethylmercaptan, BME	Ingredient in product.	1%

SECTION 4: First aid measures

4.1.	Description of first aid measures	
First-ai	d measures general	: If exposed or concerned, consult a physician. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-ai	d measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.

RNA 5' Polyphosphatase 10X Reaction Buffer. Safety Data Sheet

First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin for at least 15 minutes with tepid water. Consult a physician.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of tepid water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Consult a physician.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth thoroughly and consult a physician. Do not induce vomiting.
.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries	: Not expected to present a significant acute hazard under anticipated conditions of normal use
Symptoms/injuries after inhalation	: May cause upper respiratory irratation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.
I.3. Indication of any immediate me	dical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measure	25
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
5.2. Special hazards arising from the	e substance or mixture
ire hazard	: Emits toxic fumes under fire conditions.
Explosion hazard	: Emits toxic fumes under fire conditions.
Reactivity	: No dangerous reactions known under normal conditions of use.
.3. Advice for firefighters	
irefighting instructions	: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release m	neasures
5.1. Personal precautions, protectiv	e equipment and emergency procedures
General measures	: Ventilate area. Evacuate area. Keep upwind. Spill should be handled by trained clean-up crew properly equipped with respiratory equipment and full chemical protective gear (see Section 8
6.1.1. For non-emergency personnel	
Protective equipment	: Wear Personal Protective Equipment as described in Section 8.
6.1.2. For emergency responders	
Protective equipment	: Wear suitable protective clothing, gloves, respirator, and eye or face protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
•	Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.
3.3. Methods and material for contain	nment and cleaning up
For containment	 Contain any spills with dikes or inert absorbents (e.g., sand or vermiculite) to prevent migratio and entry into sewers or streams.
Methods for cleaning up	 Soak up spills with inert absorbants, such as sand or vermiculite as soon as possible. Place in closed waste container for disposal. This material and its container must be disposed of in a safe way, and as per local, state, and federal legislation.
6.4. Reference to other sections No additional information available	
SECTION 7: Handling and storag	e
7.1. Precautions for safe handling	
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Wear recommender personal protective equipment. Wash hands and other exposed areas with mild soap and wate

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store at -20°C in a freezer without a defrost cycle.

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
2-Mercaptoethanol	60-24-2	TWA	0.200000 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
	Remarks	Skin		

8.2. Exposure controls

Appropriate engineering controls

- : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas. Emergency safety shower and eye wash station should be available. Avoid prolonged or repeated exposure.
- Personal protective equipment
- : Gloves. Protective goggles. Laboratory Coat.



equipment. Do not breathe in vapour, mist, or dust.

Eye protection

Skin and body protection Respiratory protection

:	Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suitable gloves for this specific application can be recommended by the glove supplier. Suggested glove materials are: Neoprene, Nitrile.
:	Safety goggles should be worn when working with mixture. Avoid direct contact with eyes.
:	Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
:	Use NIOSH/MSHA-approved dust/particulate respirator as appropriate. Where vapor, mist, or

dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point (50% aquesous solution)	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility in Water	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits : No data av	
9.2. Other information	
None.	

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

None known. Hazardous polymerization does not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizing agents, strong bases.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available	
Skin corrosion/irritation	No data available	
Serious eye damage/irritation	No data available	
Respiratory or skin sensitisation	No data available	
Germ cell mutagenicity	No data available	
Carcinogenicity	IARC – No component of this product present at levels greater than or equal to 0.1% is dientified as probablye, possible, or confirmed human carcinogen by IARC.	;
	ACGIH – No component of this product present at levels greater than or equal to 0.1% identified as a carcinogen or potential carcinogen by ACGIH.	is
	$\rm NTP$ – No component of this product present at levels greater than or equal to 0.1% is as a known or anticpated carcinogen by NTP.	identified
	OSHA – No component of this product present at levels greater than or equal to 0.1% i identified as a carcinoen or potential carcinogen by OSHA.	is
Reproductive toxicity	No data available	
Specific target organ toxicity (single exposure)	No data available	
Specific target organ toxicity (repeated exposure)	No data available	
Aspiration hazard	No data available	
Symptoms/injuries after inhalation	May cause upper respiratory irratation. May cause headaches.	
Symptoms/injuries after skin contact	May cause skin irritation.	
Symptoms/injuries after eye contact	Direct contact with the eyes is likely to be irritating.	
Symptoms/injuries after ingestion	May cause gastrointestinal irritation.	
Additional Information	The chemical, physical, and toxicological properties have not been thoroughly investigated and the second s	ated.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Product should not be discharged to surface waters without a NPDES permit.	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local, state, and federal regulations. Avoid release to the environment.	
SECTION 14: Transport informa	tion	

DOT

Not hazardous for transport

IMDG

No additional information available

ΙΑΤΑ

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 304 Extremely Hazardous Substances Reportable Quantity

This product does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This materials does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2. International regulations

European Union Directive 67/548/EEC: Irritant R36/38, irritant to eyes and skin. S26, in the case of eye contact, rinse immediately with plenty of water and consult a physician. S36, wear appropriate personal protective equipment.

15.3. US State regulations

California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

Massachusetts Right To Know Components

2-Mercaptoethanol, CAS 60-24-2

New Jersey Right to Know Hazardous Substance List

2-Mercaptoethanol, CAS 60-24-2 Sodium Chloride, CAS 7647-14-5

Pennsylvania Right to Know List

2-Mercaptoethanol, CAS 60-24-2 Sodium Chloride, CAS 7647-14-5

SECTION 16: Other information

Indication of changes Revision date Other information : Revision X.0: Updated format.

- : 07/25/2017
- : Author:

Personal Protection

Safety Data Sheet Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard	: 2 – Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury.
NFPA fire hazard	: 1 – Flash point is at or above 93.3°C.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2
Flammability	: 1
Physical Hazard	: 0

This information is disclosed to the best of Lucigen's knowledge. This document does not constitute a contractual relationship with product end users or handlers with respect to the possible presence of hazards in this item. Disposal should be in accordance with applicable regional, national and local laws and regulations.